



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Yakov Kogan et al.
Serial No.: 10/758,354
Filing Date: 01/15/2004
Title: MICRO-ELECTRO-MECHANICAL PRESSURE SENSOR
Group Art Unit: 2855
Examiner: Andre J. Allen
Attorney's Docket No.: AHURA-417

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Margaret M. Slezak

(NAME OF ATTORNEY)

Margaret M. Slezak

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August 30, 2005

(DATE OF SIGNATURE)

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Commissioner for Patents
P.O. Box 1450
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Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR 1.56, 1.97 and 1.98, Applicants hereby submit information which may be considered material to the examination of this application. This information is listed on the accompanying form.

Documents 1-5, which are listed on the accompanying form, PTO/SB/08A (substitute for Form PTO-1449) (two pages), have not been submitted since submission of copies of U.S. patents and U.S. patent applications is no longer required under 37 CFR 1.98.

Copies of documents 6-13, which are also listed on PTO/SB/08A (substitute for Form PTO-1449) (two pages), are enclosed herewith.

Applicants respectfully request that these documents be fully considered by the U.S. Patent and Trademark Office during the examination of this application and printed on any patent which may issue on this application. Applicants also respectfully request that a copy of PTO/SB/08A (substitute for Form PTO-1449) (two pages), submitted herewith, as considered and initialed by the Examiner, be returned to the undersigned with the next communication.

It is believed that this disclosure complies with the requirements of 37 CFR 1.56, 1.97 and 1.98. If for any reason the Examiner considers otherwise, it is respectfully

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requested that the undersigned be contacted by the Examiner by telephone in order that any deficiencies may be expeditiously remedied.

The enclosed documents may have markings thereon. Applicants are not presently aware of the source of those markings, and no significance is meant to be attached thereto.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. No certification or fee is believed to be required, however, should the Examiner determine that any fees are due in connection with this submission, please charge the same to Deposit Account No. 16-0221. A duplicate copy of this submission is enclosed for the convenience of the Examiner.

Thank you.

Respectfully submitted,

 8/30/2005

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Substitute for form 1449-~~ATO~~

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|--------------------|
| Application Number | 10/758,354 |
| Filing Date | 01/15/2004 |
| First Named Inventor | Yakov Kogan et al. |
| Art Unit | 2855 |
| Examiner Name | Andre J. Allen |
| Attorney Docket Number | AHURA-417 |

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|-------|---|----|---|
| Sheet | 1 | of | 2 |
|-------|---|----|---|

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND**

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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | Complete if Known | |
| | | Application Number | 10/758,354 |
| | | Filing Date | 01/15/2004 |
| | | First Named Inventor | Yakov Kogan et al. |
| | | Art Unit | 2855 |
| | | Examiner Name | Andre J. Allen |
| Sheet 2 of 2 | Attorney Docket Number | AHURA-417 | |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | 6 | SZE, S.M., Semiconductor Sensors, 1994, pp. 176, 185-187, 197, 261, John Wiley and Sons, Inc. | |
| | 7 | TAYEBATI, P. et al., Widely Tunable Fabry-Perot Filter Using Ga(Al)As-AIOx Deformable Mirrors, IEEE Photonics Technology Letters, March 1998, pp. 394-396, vol. 10, no. 3. | |
| | 8 | TAYEBATI et al., Microelectromechanical tunable filter with stable half symmetric cavity, Electronics Letters, October 1, 1998, pp. 1967, vol. 34, no. 20. | |
| | 9 | WANG, P. et al., Half-symmetric cavity microelectromechanically tunable VCSEL with single spatial mode operating near 950 nm, pp. 1-4. | |
| | 10 | VAKHSHOORI, D. et al., 2mW CS singlemode operation of a tunable 1550 nm vertical cavity surface emitting laser with 50 nm tuning range, Electronics Letters, May 27, 1999, pp. 1-2, vol. 35, no. 11. | |
| | 11 | VAIL, E.C. et al., High Performance and Novel Effects of Micromechanical Tunable Vertical-Cavity Lasers, IEEE Journal of Selected Topics in Quantum Electronics, April 1997, pp. 691-697, vol. 3, no. 2. | |
| | 12 | TUCKER, R.S. et al., Thermal Noise and Radiation Pressure in MEMS Fabry-Perot Tunable Filters and Lasers, IEEE Journal on Selected Topics on Quantum Electronics, January/February 2002, pp. 88-97, vol. 8, no. 1. | |
| | 13 | GABRIELSON, T.B., Mechanical-Thermal Noise in Micromachined Acoustic and Vibration Sensors, IEEE Transactions On Electron Devices, May 1993, pp. 903-909, vol. 40, no. 5. | |
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|--------------------|-----------------|
| Examiner Signature | Date Considered |
|--------------------|-----------------|

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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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